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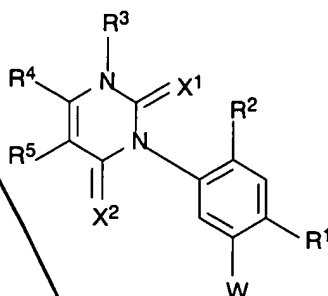
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A P P E N D I X I:

THE AMENDED CLAIMS:

1. (twice amended) A 3-phenyluracil compound of formula I



(I)

where

X¹ and X² are each oxygen or sulfur;

W is -C(R⁸)=C(R⁹)-CN, -C(R⁸)=C(R⁹)-CO-R¹⁰ or -CH(R⁸)-CH(R⁹)-CO-R¹⁰; where

R⁸ is hydrogen;

R⁹ is halogen or C₁-C₆-alkyl;

R¹⁰ is O-R¹⁷ or -N(R¹⁵)R¹⁶;

R¹⁵ and R¹⁶ are each hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₆-cycloalkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl or C₁-C₆-alkoxycarbonyl-C₂-C₆-alkenyl, where the alkenyl chain is unsubstituted or carries from one to three of the following radicals: halogen and cyano, or phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl, or

R¹⁵ and R¹⁶ together with the common nitrogen atom form a saturated or unsaturated 4-membered to 7-membered heterocyclic ring consisting of the nitrogen atom to which R¹⁵ and R¹⁶ are bonded and from 3 to 6 carbon ring members, or consisting of the nitrogen atom to which R¹⁵ and R¹⁶ are bonded and from 2 to 5 carbon ring members and one ring member selected from the group of -O-, -S-, -N-, -NH- and -N(C₁-C₆-alkyl)-;

R¹⁷ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₆-haloalkyl, C₃-C₆-haloalkenyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-

C₁-C₆-alkyl, C₁-C₆-alkyloximino-C₁-C₆-alkyl, C₁-C₆-alkyl-carbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylcarbonyl-C₁-C₆-alkyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl, phenyl or phenyl-C₁-C₆-alkyl, where each of the phenyl radicals is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl;

R¹ is halogen, cyano, nitro or trifluoromethyl;

R² is hydrogen or halogen;

R³ is hydrogen, C₁-C₆-alkyl or C₁-C₆-haloalkyl;

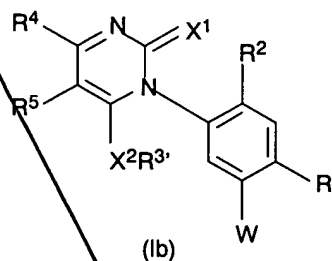
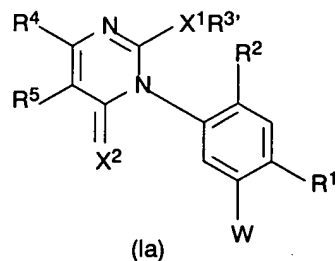
R⁴ is C₁-C₆-alkyl or C₁-C₆-haloalkyl;

R⁵ is hydrogen, halogen or C₁-C₆-alkyl;

with the proviso that R⁴ is not trifluoromethyl when R⁵ is hydrogen and W is -CH=CH-CO-R¹⁰ where R¹⁰ is C₁-C₆-alkoxy or C₃-C₇-cycloalkoxy;

or a salt or an enol form of the compound of formula I in which R³ is hydrogen.

2. (twice amended) An enol ether of the phenyluracil compound of formula I defined in claim 1, which enol ether is of formula Ia or formula Ib



wherein R^{3'} is C₁-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl, and X¹, X², R¹, R², R⁴, R⁵ and W are as defined in claim 1,

with the proviso that R⁴ is not trifluoromethyl when R⁵ is hydrogen and W is -CH=CH-CO-R¹⁰ where R¹⁰ is C₁-C₆-alkoxy or C₃-C₆-cycloalkoxy.

3. (amended) The compound of formula I defined in claim 1 or its salt or enol form, wherein W is -C(R⁸)=C(R⁹)-CO-R¹⁰ or -CH(R⁸)-CH(R⁹)-CO-R¹⁰.
4. (amended) The compound of formula I defined in claim 1, wherein R³ is C₁-C₆-alkyl.

B1
Cont 5. (amended) The compound of formula I defined in claim 1 or its salt or enol form, wherein R² is hydrogen or fluorine.

C' 6. (amended) The compound of formula I defined in claim 1 or its salt or enol form, wherein R¹ is chlorine or bromine.

7. (amended) The compound of formula I defined in claim 1 or its salt or enol form, wherein R⁴ is C₁-C₆-haloalkyl.

12. (amended) A composition comprising an inert liquid or solid carrier and an effective amount of at least one 3-phenyluracil of formula I defined in claim 1, or the salt or the enol form of the compound of formula I in which R³ is hydrogen, wherein the amount is adapted to be effective for a purpose selected from the group consisting of controlling undesirable plant growth, desiccating plants, defoliating plants, and controlling pests.

B2 13. (amended) A method for controlling undesirable plant growth, wherein an effective amount of the 3-phenyluracil of formula I defined in claim 1, or the salt or the enol form of the compound of formula I in which R³ is hydrogen, is allowed to act on plants, on their habitat or on seed.

B3 14. (amended) A method for the desiccation or defoliation of plants, wherein an effective amount of the 3-phenyluracil of formula I defined in claim 1 is allowed to act on the plants.

C3 15. (twice amended) The method of claim 15, wherein the plants are cotton plants.

B4 16. (amended) A method for controlling pests, wherein an effective amount of the 3-phenyluracil of formula I defined in claim 1, or the salt or the enol form of the compound of formula I in which R³ is hydrogen, is allowed to act on pests or their habitat.

26. The enol ether defined in claim 2, wherein W is -C(R⁸)=C(R⁹)-CO-R¹⁰ or -CH(R⁸)-CH(R⁹)-CO-R¹⁰.

B5 27. (amended) The enol ether defined in claim 2, wherein R^{3'} is C₁-C₆-alkyl.

NE 28. The enol ether defined in claim 2, wherein R² is hydrogen or fluorine.

29. The enol ether defined in claim 2, wherein R¹ is chlorine or bromine.

¹⁶
30. The enol ether defined in claim 2, wherein R⁴ is C₁-C₆-haloalkyl.

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36. (amended) A composition comprising an inert liquid or solid carrier and an effective amount of at least one enol ether of formula Ia or Ib defined in claim 2, wherein the amount is adapted to be effective for a purpose selected from the group consisting of controlling undesirable plant growth, desiccating plants, defoliating plants, and controlling pests.

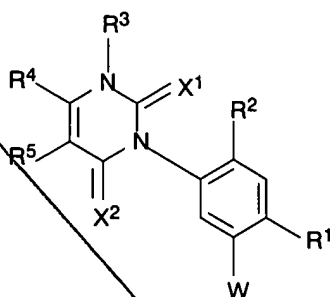
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37. A method for controlling undesirable plant growth, wherein an effective amount of the enol ether of formula Ia or Ib defined in claim 2 is allowed to act on plants, on their habitat or on seed.

39. A method for the desiccation or defoliation of plants, wherein an effective amount of the enol ether of formula Ia or Ib defined in claim 2 is allowed to act on the plants.

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40. (amended) The method of claim 39, wherein the plants are cotton plants.

42. A method for controlling pests, wherein an effective amount of the enol ether of formula Ia or Ib defined in claim 2 is allowed to act on pests or their habitat.

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43. (amended) A 3-phenyluracil compound of formula I



(I)

where

X¹ and X² are each oxygen or sulfur;

W is -C(R⁸)=C(R⁹)-CN, -C(R⁸)=C(R⁹)-CO-R¹⁰ or -CH(R⁸)-CH(R⁹)-CO-R¹⁰; wherein

R⁸ is hydrogen;

R⁹ is halogen or C₁-C₆-alkyl;

R¹⁰ is O-R¹⁷ or -N(R¹⁵)R¹⁶;

R¹⁵ and R¹⁶ are each hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₆-cycloalkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl or C₁-C₆-alkoxycar-

C7
cont

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cont

benzyl-C₂-C₆-alkenyl, where the alkenyl chain is unsubstituted or carries from one to three of the following radicals: halogen and cyano, or phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl, or

R¹⁵ and R¹⁶ together with the common nitrogen atom form a saturated or unsaturated 4-membered to 7-membered heterocyclic ring consisting of the nitrogen atom to which R¹⁵ and R¹⁶ are bonded and from 3 to 6 carbon ring members, or consisting of the nitrogen atom to which R¹⁵ and R¹⁶ are bonded and from 2 to 5 carbon ring members and one ring member selected from the group of -O-, -S-, -N=, -NH- and -N(C₁-C₆-alkyl)-;

R¹⁷ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₆-haloalkyl, C₃-C₆-haloalkenyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl, C₁-C₆-alkyloximino-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylcarbonyl-C₁-C₆-alkyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl, phenyl or phenyl-C₁-C₆-alkyl, where each of the phenyl radicals is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl;

R¹ is halogen, cyano, nitro or trifluoromethyl;

R² is hydrogen or halogen;

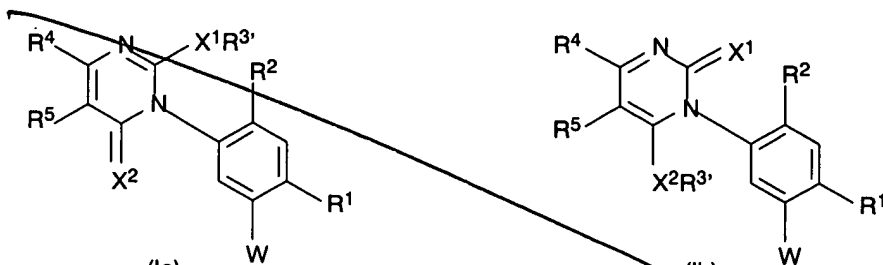
R³ is hydrogen, C₁-C₆-alkyl or C₁-C₆-haloalkyl;

R⁴ is C₁-C₆-alkyl or C₁-C₆-haloalkyl;

R⁵ is hydrogen, halogen or C₁-C₆-alkyl;

with the proviso that R⁴ is not trifluoromethyl when R⁵ is hydrogen and W is -CH=CH-CO-R¹⁰ where R¹⁰ is C₁-C₆-alkoxy or C₃-C₇-cycloalkoxy;

or a salt of the compound of formula I in which R³ is hydrogen, or an enol form of the compound of formula I, which enol form is represented by formula Ia or Ib



in which R^{3'} is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl.

B9
22. 44. (new) The compound of formula I or its salt or its enol form of formula Ia or Ib defined in claim 43, wherein R¹ is chlorine or bromine.

23. 45. (new) The compound of formula I or its salt or its enol form of formula Ia or Ib defined in claim 43, wherein R² is hydrogen or fluorine.

24. 46. (new) The compound of formula I or its salt or its enol form of formula Ia or Ib defined in claim 43, wherein R³ is C₁-C₆-alkyl.

25. 47. (new) The compound of formula I or its salt or its enol form of formula Ia or Ib defined in claim 43, wherein R⁴ is C₁-C₆-haloalkyl.

26. 48. (new) The compound of formula I or its salt or its enol form of formula Ia or Ib defined in claim 43, wherein W is -C(R⁸)=C(R⁹)-CO-R¹⁰ or -CH(R⁸)-CH(R⁹)-CO-R¹⁰.

27. 49. (new) A composition comprising an inert liquid or solid carrier and an effective amount of at least one compound of formula I or of the salt or the enol form of formula Ia or Ib defined in claim 21, wherein the amount is adapted to be effective for a purpose selected from the group consisting of controlling undesirable plant growth, desiccating plants, defoliating plants, and controlling pests.

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28. 50. (new) A method for controlling undesirable plant growth, wherein an effective amount of at least one compound of formula I, the salt or the enol form of formula Ia or Ib defined in claim 43, is allowed to act on plants, on their habitat or on seed.

29. 51. (new) A method for the desiccation or defoliation of plants, wherein an effective amount of at least one compound of formula I, the salt or the enol form of formula Ia or Ib defined in claim 43, is allowed to act on the plants.

- B9
52. (new) A method for controlling pests, wherein an effective amount of at least one compound of formula I the salt or the enol form of formula Ia or Ib defined in claim 43, is allowed to act on pests or their habitat.
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